

Glossary

Check Box

A Microsoft Windows standard user interface item for indicating a user selection. Check boxes are small square items that are displayed in an array for the user to make a selection(s) from. When the mouse is pointing to the check box and the left mouse button is clicked a check mark or 'X' will appear in the check box. Typically check boxes are used when more than one option can be selected from a list.

Critical PCI

Defined as the PCI value at which the rate of PCI loss increases with time, or the cost of applying localized preventive maintenance increases significantly.

Drop Down Menu

A Microsoft Windows standard menu, that is associated with a data entry form or grid. The drop down menu contains a list of the available selections for a data entry field. The drop list is not visible until the field associated with the drop list is selected by the user. When the Field is selected the drop list is activated by clicking the small down arrow located in the far right portion of the field mask. Alternately referred to as a picklist or drop list.

EMS Picture Server

The EMS Picture Tool is an interface for storing images associated with a particular pavement database. Images can be associated with the a network, or assigned to individual branches and sections. It provides a convenient way to establish a pictorial record of database units.

EMS Query

A PAVER for Windows tool used to temporarily select a subset of pavement sections for analysis or reporting. The application of a query to the active database does not cause any records in the database to changed or deleted. The query tool can also be used to specify the sort order of report results.

Family

A pavement “family” is defined as a group of pavement sections with similar deterioration characteristics. The family model is estimated from the plot of observed age and condition measurements for pavements with similar attributes.

GIS

Geographical Information System (GIS) refers to a system that presents data in the context of a map. GIS can be used to display PAVER inventory, condition, distress, cost and other pavement data as color-coded maps.

Global Preventive Maintenance & Repair (M&R)

Defined as activities applied to entire pavement sections with the primary objective of slowing the rate of deterioration. This policy is applied to pavements above the critical PCI.

Localized Stop-Gap (Safety) Maintenance and Repair

Stopgap M&R is defined as the localized M&R needed to keep the pavement operational in a safe condition. This policy is applied to pavements below the critical PCI.

Localized Preventive M&R

Defined as distress maintenance activities performed with the primary objective of slowing the rate of deterioration. This policy is applied to pavements above the critical PCI.

Major M&R

Activities applied to the entire pavement section to correct or improve existing structural or functional requirements. It is also used to upgrade pavements below the critical PCI.

Modal

A Microsoft Windows form for displaying or collecting information. A modal form must be configured and executed or closed before you can resume other PAVER or Windows tasks.

Parameter Collection Screen

A Microsoft Windows form that is used to configure the PAVER Condition Analysis, Work Plan and Inspection Schedule Reports. The parameter collection screens displays the default settings for the various report parameters that can be configured by the user. In general the values on the form can be adjusted to reflect the desired setting. The parameter collection screen is a modal screen.

PAT

A Polygon Attribute Table (PAT) is a list used by a Geographical Information System (GIS) to relate database information (such as PAVER PCI values) to a GIS map location. In PAVERGIS the PAT is used to describe the sections in a PAVER database. Polygons are used in GIS to represent PAVER features (roads, parking lots, runways, aprons, etc) and then tabular data is attached to the features. A coverage is defined by several files. Some of the files contain graphical information, while others contain table information.

Pavement Condition Index (PCI)

The PCI is the default condition index for the PAVER system. A numerical index, ranging from 0 for a failed pavement to 100 for a pavement in perfect condition. Calculation of the PCI is based on the results of a visual condition survey in which distress type, severity, and quantity are identified. It was developed to provide an index of the pavement's structural integrity and surface operational condition.

Pavement Network

A logical unit for organizing pavements into a structure for the purpose of pavement management. A network will consist of one or more pavement branches, which in turn may consist of one or many pavement sections. The network is the point of origin for the hierarchy of pavement management structures.

Pavement Branch

A branch is a readily identifiable part of the pavement network and has a distinct function. For example, an individual street or a parking lot would each be considered a separate branch of the pavement network. Similarly, an airfield pavement such as a runway or a taxiway would each be considered a separate branch.

Pavement Section

A section should be viewed as the smallest management unit when considering the application and selection of M&R treatments. It is a logical unit assigned to a stretch of pavement that exhibits a common age, construction type, traffic and other criteria. The terminus or leaf point in the hierarchy of defined pavement management structures. A pavement section will be defined as a subordinate of a pavement branch, which in turn will be a subordinate of a parent pavement network.

PAVER Button Bar

The array of eight buttons displayed across the top of the PAVER for Windows Desktop are used to invoke the most used PAVER for Windows features. Each button contains descriptive text and a graphic related to the function of the program the button launches.

PAVERGIS

The program that transfers data from the PAVER (4.1 for Windows and 3.2g) environment to the GIS environment. It facilitates the process of linking pavement database information with representative objects in a GIS coverage.

Picklist

A Microsoft Windows standard menu associated with a data entry form or grid. The picklist menu contains a list of the available selections for a data entry field. The picklist is not visible until the field associated with the picklist is selected by the user. When the Field is selected the picklist is activated by clicking the small down arrow located in the far right portion of the field mask. Alternately referred to as a drop menu or drop list.

PID

Pavement Identification (PID) is the unique combination of pavement inventory information that makes a particular pavement section unique. The PID is formed from the network ID, branch ID and section ID.

Structured Query Language (SQL)

A standard database access language (collection of commands, control clauses, etc) supported by all major database managers. Structured Query Language, or SQL, provides a standard way to get or view information from a database, or put information into a database.

Radio Button

A Microsoft Windows standard user interface item for indicating a user selection. Radio buttons are small circular items that typically displayed in array for the user to make a mutually exclusive selection from.

Report Viewer

A standard PAVER for Windows interface used to display report results. The report viewer presents results as spreadsheet tables with associated graphs where applicable. The Condition Analysis Report, M&R Planning Report, and the Inspection Scheduling Report all present their results in the EMS Report Viewer format.

Right Button Click Feature

Added capabilities available for an object, either a PAVER spreadsheet table or a graph that are accessed by pointing to the object with the mouse and clicking the right mouse button.

Tab Table Data

The common PAVER for Windows data that is edited on Tab Table forms. Tab Table data includes the PAVER User Defined Fields tables, Inventory picklists, Work Plan tables, Materials, and Misc. Other Tables.

Tab Table Form

Microsoft standard form for editing and reviewing data. The Tab Table form simulates index cards that can be selected by pointing to the index tab portion of the card with the mouse and pressing the left mouse button.

User Defined Fields

Discretionary inventory information that can be added to the existing attributes for networks, branches, and sections. A total of nine user defined fields are available, three for each inventory item.

View menu

An item on the PAVER Menu, that is active only when the Report Viewer is the Active Window. The View Menu lists the available tables. Open tables have a check mark to the left of the menu item.